

## ATTACHMENT D

### *I. Requirements for Recycled Water Users*

- A. The attached Order requires the Los Angeles County Sanitation District No. 14 (District) establish and enforce *Requirements for Recycled Water Users*. The *Requirements for Recycled Water Users* shall include but not be limited to a description of the:
1. Process the Users must follow to obtain permission to use recycled water, including the agencies involved in the process, documents that must be completed (design plans, User Agreements, etc.), the routing of documents among the agencies, agencies that must approve documents, agencies responsible for construction inspections, etc.
  2. Requirements for the operational phase, including the designation of the Site Supervisor, and requirements for personnel training, operation and maintenance, type and frequency of cross-connection tests, etc.
- B. The *Requirements for Recycled Water Users* shall comply with the following laws and regulations:
1. Applicable portions of the Water Code, including Water Code section 13523.1;
  2. Applicable portions of the Health and Safety Code;
  3. California Code of Regulations, Title 22, Division 4, Chapter 3, Uniform Statewide Reclamation Criteria; and
  4. California Code of Regulations, Title 17, Division 1, Chapter 5, Group 4, Article 1 & 2.
- C. The *Requirements for Recycled Water Users* shall be consistent with the following documents:
1. The document titled: *Preparation of an Engineering Report for the Production, Distribution and Use of Recycled Water*, State Department of Health Services;
  2. Any measures that are deemed necessary for protection of public health, such as the American Water Works Association (AWWA) California/Nevada section, *Guidelines for the Distribution of Non-Potable Water and Guidelines for Retrofitting To Recycled Water* or alternate measures that are acceptable to the State Department of Health Services.
  3. Relevant user manuals such as the Los Angeles County Recycled Water Advisory Committee's, 2005, *Recycled Water User Manual* (Manual).

- D. At a minimum, the District's *Requirements for Recycled Water Users* shall include the following requirements:
1. Before use of recycled water can begin at a proposed Authorized Recycled Water Use Site (Site), a User must file an application with the District and a User Agreement must be completed. The User Agreement shall include the District's terms and conditions for the use of recycled water by a User. The application shall include:
    - i. A detailed description of the proposed recycled water use Site, including:
      - (A). A map showing the specific boundaries of the proposed Site;
      - (B). The person or persons responsible for operation and maintenance of the Site (O&M Staff), including the person designated as the Site Supervisor as defined in Requirement No. I.D.3 of this attachment;
      - (C). Evidence that the O&M Staff and Site Supervisor have received sufficient training to comply with Requirement No. I.D.4 of this attachment; and
      - (D). The specific use to be made of the recycled water at each Site.
    - ii. Design plans and a description of BMPs that show that the quality of waters of the State will be protected and there will be compliance with Requirement No. I.D.5 of this attachment.
    - iii. Plans and specifications describing the following:
      - (A). Proposed piping systems to be used;
      - (B). Pipe locations for both recycled and potable systems;
      - (C). Type and location of the outlets and plumbing fixtures that will be accessible to the public; and
      - (D). The methods and devices to be used to prevent backflow of recycled water into the public water system.
    - iv. Recycled Water System Operations Manual, and
    - v. Emergency Cross-Connection Response Plan
  2. The Site Supervisor shall immediately initiate corrective action to eliminate violation of any applicable law or regulation, or the District's *Requirements for Recycled Water Users*.
  3. Each User shall designate a Site Supervisor who is responsible for the recycled water system at each Site under the User's control. Specific responsibilities of the Site Supervisor include the proper installation, operation, and maintenance of the recycled water system; compliance with the District's *Requirements for Recycled Water Users*, prevention of potential hazards and preservation of the recycled water system in "as built" form.

4. The O&M Staff and the Site Supervisor shall be trained ensure the Site is operated and maintained in compliance with applicable laws and regulations, and the District's *Requirements for Recycled Water Users*.
5. Users shall allow an authorized representative of any of the following agencies the right to enter and inspect the use Site upon presentation of proper credentials: the District, Lahontan Water Board, State Department of Health Services or County of Los Angeles Department of Health Services.
6. Sites using recycled water shall be designed and operated using BMPs to ensure:
  - i. Application of recycled water at agronomic rates so irrigation does not promote downward migration of salts (including nitrates), which could adversely impact the quality of groundwater;
  - ii. A adequate erosion control so that soil is not released into stormwater runoff and surface waters; and
  - iii. Fertilizer application does not adversely impact waters of the State.

To demonstrate whether irrigation is at agronomic rates, the User shall provide information to the District including a tabular comparison of the volume of water required for plant growth in the landscape area to the volume of recycled water (and supplemental water) applied to the area.

To demonstrate whether fertilizer application is at agronomic rates, the User shall provide information to the District including a tabular comparison of the amount of fertilizer needed for plant growth in the landscape area to the amount applied to the area. The Site Supervisor shall only apply nitrogen fertilizer if levels of nitrogen in the recycled water are not sufficient for plant growth. If levels are not sufficient, the Site Supervisor shall calculate how much fertilizer needs to be applied by subtracting the level in recycled water from the level needed for plant growth.

7. Sites using recycled water shall be designed and operated using BMPs with the objectives of preventing recycled water spray, mist, or surface flow from either leaving the Site or leaving the Site and reaching:
  - i. Any perennial surface waters located adjacent to the Site,
  - ii. Areas where the public has access (e.g., dwellings, designated outdoor eating areas, or food handling facilities.); or
  - iii. Drinking fountains.
8. BMPs used to achieve the objectives described in Requirement No. I.D.7 of this attachment, shall include:
  - i. Use of buffer zones;
  - ii. Discontinuation of application of Recycled Water during precipitation events, which are of sufficient magnitude to generate surface flow within the Site; and
  - iii. Use of devices that protect drinking water fountains against contact with recycled water spray, mist, or surface flow.

9. Sites shall be designed and operated using BMPs with the objectives of preventing public contact with recycled Water. BMPs used to obtain this objectives shall include: irrigation with recycled water during periods of minimal human use of the irrigated area and timing of irrigation to allow an adequate dry-out time before the irrigated area will be used by the public.
10. A copy of the *Requirements for Recycled Water Users*, design plans for the recycled water system and potable water system, and the Recycled Water System Operations Manual for the recycled water system be maintained at the use area. These documents shall be available to operating personnel at all times.
11. The Site Supervisor shall provide immediate verbal notification followed by written notification within 10 business days to the District, Lahontan Water Board, State Department of Health Services and County of Los Angeles Department of Health Services if any of the following events occur:
  - i. There is a complaint (or other source of information) concerning recycled water use that may involve illness;
  - ii. An unauthorized discharge of more than 50,000 gallons of tertiary treated recycled water (or 1,000 gallons for any lesser quality recycled water); or
  - iii. Contamination of the potable water system due to a cross-connection.
12. The Site Supervisor shall immediately invoke the Emergency Cross-Connection Response Plan in case of contamination of the potable water system due to a cross-connection.
13. Irrigation with disinfected tertiary recycled water shall not take place within 50 feet of any domestic water supply well. (Cal Code Regs., tit. 22, section 60310, subd. (a).)
14. Impoundment of disinfected tertiary recycled water shall not occur within 100 feet of any domestic water supply well. (Cal Code Regs., tit. 22, section 60310, subd. (a).)
15. A public water supply shall not be used as a backup or supplemental source of water for a recycled water system unless the connection between the two systems is protected by an air gap separation which complies with the requirements of California Code of Regulations, title 17, section 7602, subdivision (a) and California Code of Regulations, title 17, section 7603, subdivision (a), and that such connection has been approved by the State Department of Health Services and/or its delegated local agency.
16. Any backflow prevention device installed to protect the public water system shall be inspected and maintained in accordance with California Code of Regulations, title 17, section 7605 (Cal. Code Regs., tit. 22, section 60316, subd. (c)).
17. Except as allowed under California Code of Regulations, title 17, section 7604, no physical connection shall be made or allowed to exist between any recycled water system and potable water system. (Cal. Code Regs., tit. 22, section 60310, subd. (h).)

18. The recycled water system shall not include any hose bibs. Quick couplers that are different from that used on the potable water system may be used. (Cal Code of Regs., tit. 22, section 60310, subd. (i).)
19. All recycled water piping and appurtenances in new installations and appurtenances in retrofit installations shall be colored purple or distinctively wrapped with purple tape in accordance with Health and Safety Code section 116815.
20. Sites shall be designed and operated using BMPs to prevent: direct human consumption of recycled water, or use of recycled water for processing of food or drink intended for human consumption. There shall be posting with conspicuous signs (in a size no less than 4 inches high by 8 inches wide) that include the following wording: "RECYCLED WATER - DO NOT DRINK" where recycled water could potentially be accessed for human consumption. Each sign shall display an international symbol similar to that shown in Figure 60310-A of California Code of Regulations, title 22, section 60310, subdivision (g). The sign(s) shall be of a size easily readable by the public. The prescribed wording should also be translated into Spanish and other appropriate languages and included in the required signs. Cal Code Regs., tit. 22, section 60310, subd, (g).)

## ***II. Compliance Inspection and Enforcement Program***

- A. The attached Order requires the District to establish and implement a *Compliance Inspection and Enforcement Program*. The *Compliance Inspection and Enforcement Program* shall include but not be limited to a description of the District's:
  1. Plan for conducting routine compliance inspections of the Authorized Recycled Water Use Sites, including the name(s) of any agencies that will assist the District in conducting the inspections.
  2. Process for responding to violations, including requesting corrective action and initiating enforcement action.
- B. At a minimum, the *Compliance Inspection and Enforcement Program* shall be consistent with Water Code section 13523.1.
- C. At a minimum, the District's *Compliance Inspection and Enforcement Program* shall include the following requirements:
  1. Inspections include review of the Site Supervisor's maintenance records and visual inspection of all back-flow prevention devices, pump rooms, exposed piping, valves, pressure reducing stations, points of connection, sprinklers, controllers, lakes, storage facilities, signs, labeling, tags, etc.;
  2. A Site compliance inspection report be prepared for each inspection. The inspection report shall be signed and dated by both the Site Supervisor and the inspector. At a minimum, copies of the reports shall be maintained on file by the Site Supervisor, District, and inspecting entity if different from the District;

3. The inspector immediately notify the Site Supervisor of violation(s) identified during inspections and what corrective actions must be taken;
4. Describe enforcement actions that will be employed for Users that fail to immediately initiate corrective action to eliminate violation(s). Such enforcement actions may consist of:
  - a. Immediately stopping recycled water service to a use Site where a violation has been identified and the violation is believed to constitute a hazard to the public health or threat to water quality.
  - b. Termination of service to a User who uses, transports, or stores such water in violation of the District's *Requirements for Recycled Water Users*.